CURRICULUM VITAE
Marianthi-Anna Kioumourtzoglou

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Date of Preparation

August 28, 2025

Academic Appointments / Work Experience

07.2025 – Present	**Brown University** **Department of Epidemiology, School of Public Health** **Institute at Brown for Environment and Society** Professor
10.2022 – 06.2023	**Barcelona Institute for Global Health (ISGlobal)** Visiting Scientist (on academic sabbatical)
07.2022 – 06.2025	**Columbia University Mailman School of Public Health** **Department of Environmental Health Sciences** Associate Professor
09.2016 – 06.2022	**Columbia University Mailman School of Public Health** **Department of Environmental Health Sciences** Assistant Professor
08.2007 – 07.2008	**California Air Resources Board** **Mobile Source Operations Division, Off-Road Certification/Audit Section** Air Resources Engineer

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Education

09.2008 – 05.2013	**Harvard TH Chan School of Public Health** **Department of Environmental Health** Doctor of Science Major: Exposure Assessment Minors: Biostatistics and Epidemiology Advisor: Helen Suh Thesis Title: "Bias, Uncertainty, and Multi-Pollutant Exposures in Air Pollution Health Studies"

08.2005 – 07.2007   **University of North Carolina at Chapel Hill**
Department of Environmental Sciences and Engineering
Master of Science in Public Health
Advisor: William Vizuete

09.2000 – 07.2005   **Democritus University of Thrace, Xanthi, Greece**
Department of Environmental Engineering
5-yr Diploma in Environmental Engineering

Training

06.2013 – 08.2016   **Harvard TH Chan School of Public Health**
Department of Environmental Health
Post-doctoral Research Fellow
Mentor: Marc G. Weisskopf

Honors and Awards

2023	ISEE Tony McMichael Mid-Term Career Award
2022	Dean's Excellence in Mentoring Award

Reviewer Awards

2024	Received special recognition as a "top-tier peer reviewer who went above and beyond in 2023" for EHP
2021	Received special recognition as a "top-tier peer reviewer who went above and beyond in 2020" for EHP
2018	Included in the 2018 list of best reviewers of the year, American Journal of Epidemiology

Paper Awards

2025	March paper of the month by NIEHS Environmental Factor *(publication # 132)*
2025	Two of the 30 NIEHS papers of the year for 2024 (out of ∼3200) *(publications #128 and # 129)*
2024	October paper of the month by NIEHS Environmental Factor *(publication # 129)*
2024	September paper of the month by NIEHS Environmental Factor *(publication # 128)*
2023	One of the 30 NIEHS papers of the year for 2023 (out of ∼3,400) *(publication # 112)*
2023	American Statistical Association Editor's Choice Collection *(publication # 121)*
2023	May paper of the month by NIEHS Environmental Factor *(publication # 112)*
2022	One of the 32 NIEHS papers of the year for 2022 (out of ∼3,300) *(publication # 92)*

2022	May paper of the month by NIEHS Environmental Factor *(publication # 92)*
2022	February paper of the month by NIEHS Environmental Factor *(publication # 85)*
2021	One of the 35 NIEHS papers of the year for 2021 (out of 3,942) *(publication # 67)*
2021	May paper of the month by NIEHS Environmental Factor *(publication # 67)*
2021	January paper of the month by NIEHS Environmental Factor *(publication # 65)*
2019	November paper of the month by NIEHS Environmental Factor *(publication # 47)*
2018	Best paper of the year, American Journal of Epidemiology *(publication # 31)*
2018	August paper of the month by NIEHS Environmental Factor *(publication # 26)*
2018	Paper included in Environmental Health Perspectives' (EHP) 2018 Journal Impact Factor Collection *(publication # 16)*

Administrative Leadership, Professional and Academic Service

PROFESSIONAL SOCIETIES

2025 – Present	North American Councilor to the International Society for Environmental Epidemiology Executive Council
2019 – 2022	Co-Chair, International Society for Environmental Epidemiology North American Chapter (together with Dr. Joan Casey)

COMMITTEES

10.2024 – 01.2025	US Environmental Protection Agency, CASAC (Clean Air Scientific Advisory Committee) Ozone Panel **Committee fired under Trump administration*
2024 – Present	National Academies of Science, Engineering, and Medicine's Committee on *Mental Health Effects of Toxic Exposures Among Veterans*
2023	Scientific Organizing Committee for the 2023 ISEE North American Chapter Meeting
2022	Scientific Organizing Committee for the 2022 ISEE Meeting
2021	Scientific Organizing Committee for the 2021 ISEE Meeting
2020 – 2022	National Academies of Science, Engineering, and Medicine's Committee to *Reassess the Department of Veterans Affairs Airborne Hazards and Open Burn Pit Registry*

GRANT REVIEW SERVICE

12.2024	Pilot Research Project Grant Reviewer for the USC Southern California Environmental Health Sciences Center
2023 – Present	NIH ASPB study section standing member (3-year commitment)

10.2022	Ad-hoc reviewer for the NIH ASPB study section
07.2021	Ad-hoc reviewer for the NIH BMRD study section
03.2021	Pilot Research Project Grant Reviewer for the Columbia Center for Environmental Health in Northern Manhattan
01.2021	Pilot Research Project Grant Reviewer for the Mt. Sinai Transdisciplinary Center on Health Effects of Early Environmental Exposures
07.2020	NIEHS R13 Conference Grant Proposals
03.2020	NIEHS "Pregnancy as a Vulnerable Time Period for Women's Health" R01 Special Emphasis Panel
10.2018	Pilot Research Project Grant Reviewer for the Harvard Chan-NIEHS Center for Environmental Health
06.2018	NIEHS ONES R01 Review Panel, RTP, NC
06.2018	Pilot Research Project Grant Reviewer for the Mt. Sinai Transdisciplinary Center on Health Effects of Early Environmental Exposures

JOURNAL EDITORIAL BOARDS

2025 – Present	Journal of Urban Health, Editorial Board Member
2024 – 2025	Environmental Health Perspectives, Associate Editor
2023 – 2024	Environmental Health Perspectives, Editorial Review Board
2022 – 2023	Environmental Research, Associate Editor
2019 – Present	Current Environmental Health Reports, Section Co-Editor, Methods in Environmental Epidemiology

JOURNAL REFERREE

Referee	Nature, PNAS, Environmental Health Perspectives, Nature Medicine, Epidemiology, American Journal of Epidemiology, JAMA Psychiatry, American Journal of Respiratory And Critical Care Medicine, Nature Aging, Environmental Health, Journal of Exposure Science and Environmental Epidemiology, Biometrics, Atmospheric Environment, International Journal of Environmental Research and Public Health, Environmental Pollution, BMJ open, Occupational and Environmental Medicine, Scientific Reports, Women's Health Issues, Urban Science, International Journal of Hygiene and Environmental Health, Environmental Research, Pediatrics and Perinatal Epidemiology, Environment International, Environmental Science & Technology, European Journal of Neurology, Science of the Total Environment, Journal of Alzheimer's Disease

ORGANIZER OF INTERNATIONAL & REGIONAL CONFERENCES

ISEE NAC 2023	Environmental Justice and Climate Connections (Co-organized with Drs. Joan Casey and Carrie Breton)
ISEE 2021	Promoting Environmental Health and Equity in a Shifting Climate (Co-organized with Drs. Andrea Baccarelli and Joan Casey)

ORGANIZER OF SYMPOSIA (NATIONAL AND INTERNATIONAL CONFERENCES)

ISEE 2022	Multimodal environmental influences on children and adolescent's brain, cognitive, and mental health outcomes (Co-organized with Dr. Amy Margolis)
AAAS 2021	Clearing the air: the case for lowering US $PM_{2.5}$ standards (Co-organized with Dr. Joan Casey)
ISEE 2020	Novel Methods for Studying the Epidemiology of Exposure to Mixtures: NIEHS's 2019 PRIME Program (Co-organized with Dr. Bonnie Joubert)
ISEE 2020	From the University Door to the Congress Floor: How We Translate Science into Policy (Co-organized with Dr. Joan Casey)
ISEE 2020	Women's Networking Event (Co-organized with Dr. Joan Casey)
ISEE 2019	The importance of engaging in public policy in the age of anti-science (Co-organized with Drs. Joan Casey and Tracey Woodruff)
ISEE 2018	Critical Exposure Windows, Selection Biases and Novel Methods: Methodological Complexities in Reproductive Environmental Epidemiology (Co-organized with Dr. Marc Weisskopf)

DEPARTMENTAL AND UNIVERSITY COMMITTEES

2024 – 2025	Director, Climate and Health: Action and Research for Transformational Change (CHART) Center (P20 AG093975) *P20 terminated by the Trump administration*
2022 – 2025	Co-Director, Study Design and Data Analytics Facility Core, NIEHS Center for Environmental Health and Justice in Northern Manhattan (P30 ES009089) *P30 terminated by the Trump administration*
2021 – 2024	Director, EHS PhD Program
2021 – 2022	Member, EHS Faculty Cluster-Hire Search Committee (5 positions)
2020 – 2021	Co-Director, EHS PhD Program
2019 – present	Data Science Faculty Advisory Committee
2019	Member, Biostatistics Chair Search Committee
2018 – 2021	School-wide Admissions Committee for Masters degrees
2018 – 2019	Member, EHS Faculty Search Committee (3 positions)

Professional Organizations, Societies, and Affiliated Membership

MEMBERSHIPS AND POSITIONS

2025 – Present	Councilor, International Society for Environmental Epidemiology Executive Council
2019 – 2022	Co-Chair, International Society for Environmental Epidemiology North American Chapter (together with Dr. Joan Casey)
2018 – Present	Member, Columbia University Data Science Institute (DSI)
2017 – Present	Member, Columbia NIEHS Center for Environmental Health in Northern Manhattan
2011 – Present	Member, International Society for Environmental Epidemiology (ISEE)

Fellowship and Grant Support

ACTIVE RESEARCH FUNDING, PRINCIPAL INVESTIGATOR

09.2024 – 08.2027   NIA P20 AG093975 (Kioumourtzoglou, Berhane, Shaman)
Climate and Health: Action and Research for Transformational Change (CHART)
Role: MPI, Contact PI

02.2024 – 11.2028   NIEHS R01 ES035617 (Hilpert, Kioumourtzoglou, Navas-Acien)
Air Pollution and Cardiovascular Disease in American Indian Communities
Role: MPI

08.2020 – 05.2026   NIEHS R01 ES029943 (Kioumourtzoglou, Weisskopf, Deyssenroth)
Air Pollution and Pregnancy Loss
Role: MPI, Contact PI (2020 – 2025)

03.2020 – 12.2024   NIEHS R01 ES030616 (Kioumourtzoglou, Dominici)
Integrating Air Pollution Prediction Models: Uncertainty Quantification and Propagation in Health Studies
Role: MPI, Contact PI

ACTIVE RESEARCH FUNDING, CO-INVESTIGATOR

04.2024 – 03.2027   Wellcome Trust KHRC CU23-1300 (Poku Asante)
Building a climate cohort to monitor health impacts of climate change in Ghana
Role: Co-I

04.2023 – 03.2028   NIEHS P30 ES009089 (Perzanowski)
Center for Environmental Health and Justice in Northern Manhattan (CEHJNM)
Role: Co-Director of the Study Design and Data Science Core

09.2022 – 06.2025   NIEHS R01 ES034433 (Jack, Lee)
Early life household air pollution, metal composition and cardiovascular health: Evidence from GRAPHS
Role: Co-I

03.2022 – 12.2026   NIEHS R01 ES032818 (Herbstman, Mason)
Prenatal Traffic-Related Air Pollutants, Placental Epitranscriptomics, and Child Cognition
Role: Co-I

09.2022 – 07.2027   NIEHS R01 ES034373 (Zanobetti)
Characterizing the link between multiple environmental exposures and Parkinson's disease exacerbation
Role: Co-I

09.2022 – 08.2025   Department of Army W81XWH2210626 (Re)
Novel exposomics and extracellular vesicle biomarkers to unravel gene-environment interactions and mechanisms of neurodegeneration in Parkinson's disease
Role: Co-I

06.2022 – 03.2027   NIEHS R01 ES032870 (Lugo-Candelas)
Prenatal air pollution and neurodevelopment: a longitudinal neuroimaging study of mechanisms and early risk for ADHD in Puerto Rican children
Role: Co-I

09.2021 – 05.2026   NIEHS R01 ES032296 (Margolis)
Prenatal Environmental Mixtures, Cognitive Control and Reward Processes, And Risk for Psychiatric Problems in Adolescence
Role: Co-I

07.2021 – 06.2026   NIEHS R01 ES033190 (Ananth)
Ambient Air Pollution, Weather, and Placental Abruption (APWA)
Role: Co-I

07.2021 – 06.2029   NIEHS R35 ES031688 (Baccarelli)
Extracellular vesicles in Environmental Epidemiology Studies of Aging
Role: Co-I

04.2021 – 03.2026   NIA RF1 AG071024 (Casey)
Short and long-term consequences of wildfires for Alzheimer's disease and related dementias
Role: Co-I

08.2020 – 05.2025   NASA 80NSSC21K0509 (Fiore)
Investigating Spatiotemporal Patterns at the Nexus of Air Pollution, Climate and Public Health over the Northeast USA
Role: Co-I

04.2020 – 01.2025   NIA R01 AG066793 (Zanobetti)
National Cohort Studies of Alzheimer's Disease, Related Dementias and Air Pollution
Role: Co-I (Subcontract PI)

02.2020 – 10.2025   NIEHS R01 ES089971 (Re)
Brain-derived extracellular vesicles as a novel source of biomarkers for disease progression and environmental exposure in ALS
Role: Co-I

02.2020 – 11.2024   NIEHS R24 ES029489 (Herbstman, Perera)
To Maintain and Enrich Resource Infrastructure for Existing Environmental Epidemiology Cohorts
Role: Co-I

PAST SUPPORT, PRINCIPAL INVESTIGATOR

04.2023 – 06.2023   NIEHS R13 ES035302 (Kioumourtzoglou, Casey)
2023 Regional ISEE NAC Meeting, Corvallis, OR
Role: MPI, Contact PI

01.2018 – 12.2022   NIEHS R01 ES028805 (Kioumourtzoglou)
Principal Component Pursuit to Assess Exposure to Environmental Mixtures in Epidemiologic Studies
Role: PI

04.2018 – 03.2021   NIEHS R21 ES028472 (Kioumourtzoglou)
Air Pollution Exposure and Risk of Amyotrophic Lateral Sclerosis (ALS)
Role: PI

12.2016 – 11.2017   Calderone Research Prize Award for Junior Faculty (Kioumourtzoglou)
A New Method to Assess Multi-pollutant Exposures in Environmental Epidemiologic Studies
Role: PI

09.2011 – 05.2013   EPA STAR Graduate Fellowship (Kioumourtzoglou)
Effect of Exposure Measurement Error in Air Pollution Studies: Two Case Studies
Role: PI

PAST SUPPORT, CO-INVESTIGATOR

08.2020 – 04.2024   NIDDK R01 DK123285 (Gamble)
Metabolomic and Neutrigenetic Effects of Folic Acid Supplementation and Unmetabolized Folic Acid
Role: Co-I

09.2018 – 03.2024   NIEHS R01 ES029974 (Parvez)
Effect of Early-Life Exposure to Metal Mixtures on Lung Function and Mitochondrial DNA in Children
Role: Co-I

09.2020 – 08.2023   NIEHS R01 ES030945 (Gamble)
Interdisciplinary Approaches for Understanding the Metabolic Effects of Arsenic and Manganese
Role: Co-I

07.2019 – 06.2021	NIEHS R21 ES030093 (Hilpert, Boehme) *Crowd-Sourced Traffic Data: Predicting Air Pollution and Ischemic Stroke* Role: Co-I
07.2019 – 06.2022	AHA 19TPA34830085 (Zhang) *Urban Exposome and Cardiovascular Health in the CARDIA Longitudinal Study* Role: Co-I (Subcontract PI)
01.2019 – 12.2020	Columbia University Data Science Institute (Ruggeri) *Nudging NY: Using Data Science to Increase Healthcare Access in Underserved Communities* Role: Co-I
09.2018 – 09.2020	CDC-ATSDR R01 TS000285 (Re, Schneider) *Novel Extracellular Vesicle and Molecular Biomarkers of Environmental Exposure and Disease Progression in ALS* Role: Co-I
09.2016 – 06.2020	HEI 4953 (Dominici, Zanobetti) *Assessing Adverse Health Effects of Long-Term Exposure to Low Levels of Ambient Pollution* Role: Co-I (Subcontract PI)
09.2018 – 02.2020	NIEHS R01 ES024332-S1 (Zanobetti) *Cardiovascular Health and Air Pollution: A National Study* Role: Co-I (Subcontract PI)
12.2017 – 06.2020	NIMHD R21 MD012451 (Boehme) *Racial Disparities, Influenza-Like Illness and the Association between Short-term Exposure to Ambient Air Pollution and Cardiovascular Outcomes* Role: Co-I
09.2017– 03.2018	NIEHS P30 ES009089-S2 (Baccarelli) *Hourly Temperature Dynamics from Satellites and Risk of Cardiovascular Events* Role: Supplement Project Lead

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Teaching Experience

INSTRUCTOR

Spring 2019 – 2022, 2024, 2025	Advanced Analytic Methods in Environmental Health Sciences
Spring 2018	Journal Club in Environmental Health

DSI CAPSTONE FACULTY MENTOR

Fall 2020	Data Science Capstone & Ethics, Co-mentor: Dr. Vondrick
Fall 2019	Data Science Capstone & Ethics, Co-mentor: Dr. Paisley

GUEST LECTURES, COLUMBIA UNIVERSITY

Spring 2017 – 2022	Environmental Determinants of Human Health II
Spring 2020 – 2021	Introduction to Data Science for Environmental Health
Fall 2019 – 2020	Environment, Health, and Justice
Spring 2017	Journal Club in Environmental Health Sciences
Spring 2017	Journal Club in Molecular Epidemiology

GUEST LECTURES, HARVARD UNIVERSITY

Fall 2021	SBS360 – Maternal and Child Health Seminar
Spring 2015 – 2022	ID 215 – Environmental & Occupational Epidemiology
Summer 2015 – 2020	ID 215 – Environmental & Occupational Epidemiology
Spring 2016	EH 269 – Exposure Assessment for Environmental & Occupational Epidemiology

GUEST LECTURES, OTHER

Spring 2024	ISEE Online course: Introduction to Environmental Epidemiology
Spring 2025	ISEE Online Mixtures Course

WORKSHOP DEVELOPMENT AND PARTICIPATION

Summer 2018 – 2024	SHARP Training @ Columbia's Mailman School Two-day Environmental Mixtures Workshop Role: Director and Instructor
Summer 2023	SHARP Training @ Columbia's Mailman School Two-day Workshop on Bayesian Statistics for Environmental Health Role: Instructor

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Advising and Mentorship

POST-DOCTORAL & ASSOCIATE RESEARCH SCIENTISTS

2024 – Present	Vrinda Kalia (Associate Research Scientist)
2023 – Present	Vijay Kumar
2021 – Present	Gali Cohen (part-time)
2021 – Present	Jaime Benavides (Associate Research Scientist)
2021 – 2024	Roheeni Saxena (co-mentored with Dr. Re; Lecturer, University of New Haven)
2020 – 2023	Robbie M Parks (Assistant Professor at Mailman EHS)
2020 – 2022	Yanelli Núñez (Scientist at PSE)

DOCTORAL ADVISEES

2027 (Expected)	Heather McBrian, co-mentored with Dr. Casey
2026 (Expected)	Sabah Usmani, co-mentored with Dr. Jack
2025 (Expected)	Tanya Butt, co-mentored with Dr. Re
2025 (Expected)	Vivian Do, co-mentored with Dr. Casey
2024	Mengyuan (Maggie) Li, co-mentored with Dr. Navas-Acien

2023	Jenni Shearston, co-mentored with Dr. Hilpert (currently Assistant Professor at University of Colorado)
2022	Sebastian Rowland (Scientist at PSE)
2021	Elizabeth Gibson, co-mentored with Dr. Herbstman (Data Scientist at Netflix)
2020	Yanelli Núñez, co-mentored with Dr. Re (Scientist at PSE)
2020	Mike He (currently Investigator at Mt. Sinai)

DOCTORAL COMMITTEE MEMBER

2024 – present	Lauren Wilner (UW)
2024 – present	Antonio Saporito (NYU)
2019 – 2021	Vrinda Kalia
2019 – 2022	Stephen Lewandowski
2018 – 2021	Nicole Comfort
2018 – 2020	Sarah Kramer

MPH/MS STUDENTS, THESIS SUPERVISOR

2021	Rachel Tao
2019	Lyuou Zhang
2019	Erin Kawazu
2019	Vivian Do
2019	Sydney Wolchok
2018	Unnati Mehta
2018	Jessica Singh

Publications

Underlined are current or former students and post-doctoral fellows.

ORIGINAL, PEER-REVIEWED ARTICLES

146. Li W, Wu H, Goldsmith J, Glabonjat RA, Ilievski V, Balac O, Slavkovich V, Pinto-Pacheco B, Lin X, Parvez F, Jackson GL, Siddique AB, Nasir Uddin M, Islam T, Martinez-Morata I, Navas-Acien A, Niedzwiecki MM, **Kioumourtzoglou M-A**, Pierce BL, Graziano JH, Bottiglieri T, Walker DI, Gamble MV, "Metabolic Signature of Arsenic Exposure and Metabolism: The Folic Acid and Creatine Trial", Environmental Science & Technology, In Press, 2025

145. Parks RM, Flynn L, Gu Z, Braun D, Cerna-Turoff I, Tuholske C, Dominici F, Lindert J, **Kioumourtzoglou M-A**, "Higher temperatures are associated with increased interpersonal and self-inflicted violence-related Medicaid hospital visits in the United States", Communications Sustainability, In Press, 2025

144. Benavides J, Cohen J, Chillrud L, Cohen G, DeSerisy M, Ramphal B, Goldsmith J, **Kioumourtzoglou M-A**, Margolis AE, "Prenatal environmental risk for adolescent attention, thought, and substance use problems: a mixtures approach to co-exposure and psychiatric comorbidities", Environmental Epidemiology, In Press, 2025

143. Joubert RB, Palmer G, Dunson D, **Kioumourtzoglou M-A**, Coull BA, "Workflow for Statistical Analysis of Environmental Mixtures", EHP, In Press, 2025

142. McBrien H, Mork D, **Kioumourtzoglou M-A**, Casey JA, "Assessing bias in measuring power outage exposure with simulations", Environmental Epidemiology, In Press, 2025

141. Do V, McBrien H, Edmondson D, **Kioumourtzoglou M-A**, Casey JA, "The impact of power outages on cardiovascular hospitalizations among Medicare Fee-for-Service enrollees in New York State, 2017-2018", Epidemiology, In Press, 2025

140. Do V, McBrien H, Teigen L, Childs ML, **Kioumourtzoglou M-A**, Casey JA, "A national study on the impact of wildfire smoke on cause-specific hospitalizations among Medicare enrollees with Alzheimer's disease and related dementias, 2006–2016", In Press, Fire, 2025

139. Meltzer GY, Anderson GB, Xie X, Casey JA, Schwartz J, Bell ML, Ornelas Van Horne Y, Fox J, **Kioumourtzoglou M-A**, Parks RM, "Disruption to Test Scores after Hurricanes in the United States", In Press, Environmental Research: Health, 2025

138. Baizer L, . . ., **Kioumourtzoglou M-A**, . . ., Purcell S, "Big Data Approaches for Novel Mechanistic Insights on Disorders of Sleep and Circadian Rhythms: a Workshop Summary", In Press, Sleep, 2025

137. Dong S, Braun D, Wu X, Yitshak-Sade M, Blacker D, **Kioumourtzoglou M-A**, Schwartz J, Mork D, Dominici F, Zanobetti A, "The impacts of air pollution on mortality and readmission among Medicare beneficiaries with Alzheimer's disease and Alzheimer's disease-related dementias: a national retrospective cohort study in the USA", In Press, Lancet Planetary Health, 2025

136. Benavides J, Carrillo-Gallegos C, Kumar V, Rowland ST, Chillrud LG, Adeyeye T, Paisley J, Coull BA, Henze DK, Martin RV, Fiore AM, **Kioumourtzoglou M-A**, "bneR: A collaborative workflow for air pollution exposure modeling and uncertainty characterization using the Bayesian Nonparametric Ensemble", In Press, Journal of Environmental Management, 2025

135. Leung M[†], Rowland ST[†], Modest AM, Hacker MR, Papatheodorou S, Wei Y, Schwartz J, Coull BA, Wilson A, **Kioumourtzoglou M-A**, Weisskopf MG, "A novel approach for inferring effects on pregnancy loss", American Journal of Epidemiology, In Press, 2024
[†]The authors contributed equally

134. Do V, Parks RM, Casey JA, Goin DE, **Kioumourtzoglou M-A**, "Use, limitations, and future directions of mixtures approaches to understand the health impacts of weather- and climate change-related exposures, an under-studied aspect of the exposome", Exposome, 2024; osae007

133. Lynch VD, Sullivan J, Flores A, Aggarwal S, Nethery RC, **Kioumourtzoglou M-A**, Nigra AE, Parks RM, "Large floods drive changes in cause-specific mortality in the United States", Nature Medicine, In Press, 2024

132. Martinez-Morata I, Wu H, Galvez-Fernandez M, Ilievski V, Bottiglieri T, Niedzwiecki MM, Goldsmith J, Jones DP, **Kioumourtzoglou M-A**, Pierce B, Walker DI, Gamble MV. "Metabolomic Effects of Folic Acid Supplementation in Adults: Evidence from the FACT Trial", J Nutr. 2024 Feb;154(2):670-679

131. Shen Y, Domingo-Relloso A, Kupsco A, **Kioumourtzoglou M-A**, . . ., Feng Gao, "AESurv: autoencoder survival analysis for accurate early prediction of coronary heart disease", Briefings in Bioinformatics, Volume 25, Issue 6, November 2024, bbae479

130. Shearston JA, Saxena R, Casey JA, **Kioumourtzoglou M-A**, Hilpert M. "Variation in the Impact of New York on Pause on Traffic Congestion by Racialized Economic Segregation and Environmental Burden", GeoHealth, In Press, 2024

129. Wu H, Kalia V, Manz KE, Chillrud L, Hoffmann Dishon N, Jackson GL, Dye CK, Orvieto R, Aizer A, Levine H, **Kioumourtzoglou M-A**, Pennell KD, Baccarelli AA, Machtinger R, "Exposome Profiling of Environmental Pollutants in Seminal Plasma and Novel Associations with Semen Parameters", In Press, Environmental Science & Technology, 2024

128. Shearston JA, Upson K, Gordon M, Do V, Balac O, Nguyen K, Yan B, **Kioumourtzoglou M-A**, Schilling K, "Tampons as a Source of Exposure to Metal(loid)s", Environment International, In Press, 2024
Selected as paper of the month by NIEHS's Environmental Factor

127. Cohen G, Rowland ST, Benavides J, Lindert J, **Kioumourtzoglou M-A**, Parks RM, "Daily temperature variability and mental health-related hospital visits in New York State", Environmental Research, In Press, 2024

126. Benavides J, Kumar V, Usmani S, **Kioumourtzoglou M-A**, "Development of a Community Severance Index for urban areas in the United States: A case study in New York City", Environment International, In Press, 2024

125. Demateis D, Keller KP, Rojas-Rueda D, **Kioumourtzoglou M-A**, Wilson A, "Penalized Distributed Lag Interaction Model: Air Pollution, Birth Weight and Neighborhood Vulnerability", Environmentrics, In Press, 2024

124. Casey JA, **Kioumourtzoglou M-A**, Padula A, González DJX, Elser H, Aguilera R, Northrop AJ, Tartof SY, Mayeda ER, Braun D, Dominici F, Elsen EA, Morello-Frosch R, Benmarhnia T, "Measuring Long-Term Exposure to Wildfire PM$_{2.5}$ in California: Time-Varying Inequities in Environmental Burden", In Press, PNAS, 2023

123. Nunez Y, Benavides J, Shearston J, Krieger E, Daouda M, Henneman L, McDuffie E, Goldsmith J, Casey J, **Kioumourtzoglou M-A**, "An Environmental Justice Analysis of Air Pollution Emissions in the United States from 1970 to 2010", Nature Communications, In Press, 2023

122. Kalia V, Kulick ER, Vardarajan B, Gu Y, Manly JJ, Elkind MS, Kaufman JD, Jones DP, Baccarelli A, Mayeux R, **Kioumourtzoglou M-A**, Miller GW, "Linking air pollution exposure to blood-based metabolic features in a community-based aging cohort with and without dementia", Journal of Alzheimer's Disease, In Press, 2023

121. Mork D, **Kioumourtzoglou M-A**, Weisskopf M, Coull BA, Wilson A, "Heterogeneous Distributed Lag Models to Estimate Personalized Effects of Maternal Exposures to Air Pollution", Journal of the American Statistical Association, In Press, 2023
Selected as part of the American Statistical Association Editor's Choice Collection

120. Marroquin J, **Kioumourtzoglou M-A**, Scranton A, Pollack AZ, "Chemicals in menstrual products: a systematic review", BJOG: An International Journal of Obstetrics and Gynaecology, In Press, 2023

119. Li M, Do V, Brooks JL, Hilpert M, Goldsmith J, Chillrud SN, Ali T, Best LG, Yracheta J, Umans JG, van Donkelaar A, Martin RV, Navas-Acien A, **Kioumourtzoglou M-A**, "Fine particulate matter composition in American Indian vs. Non-American Indian communities", Environmental Research, In Press, 2023

118. Parks RM, Kontis V, Anderson GB, Baldwin JW, Danaei G, Toumi R, Dominici F, Ezzati M, **Kioumourtzoglou M-A**, "Excess mortality in the month of and month following tropical cyclones in the United States", Science Advances, In Press, 2023

117. Parks RM, Rowland ST, Do V, Boehme AK, Dominici F, Hart CL, **Kioumourtzoglou M-A**, "Rising temperatures and alcohol- and substance-related disorder hospital visits", Communications Medicine, In Press, 2023

116. Shearston J, Rowland ST, Butt T, Chillrud SN, Casey JA, Endmondson D, Hilpert M, **Kioumourtzoglou M-A**, "Can traffic-related air pollution trigger myocardial infarction within a few hours of exposure? Identifying hourly hazard periods", Environment International, In Press, 2023

115. Flores NM, Do V, Rowland ST, Casey JA, **Kioumourtzoglou M-A**, "The role of insurance status in the association between short-term temperature exposure and myocardial infarction hospitalizations in New York State", Environmental Epidemiology, In Press, 2023

114. Shen Y, **Kioumourtzoglou M-A**, Wu H, Vokonas P, Spiro A, Navas-Acien A, Baccarelli AA, Gao F, "Cohort Network: a knowledge graph towards data dissemination and knowledge-driven discovery for cohort studies", Environmental Science & Technology, In Press, 2023

113. Benavides J, Rowland ST, Do V, Goldsmith J, **Kioumourtzoglou M-A**, "Unintended impacts of the Open Streets program on noise complaints in New York City", Environmental Research, In Press, 2023

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37. "Artificial Intelligence & Causal Inference in Environmental Health Studies", HEI meeting, Austin, TX, May 2025

36. "Tales of Climate and Health Research: Extreme Heat, Tropical Cyclones, and Wildfires", UT Austin CHEER Seminar Series, Austin, TX, March 2025

35. "Code Sharing, Code Checking, and Good Practices for Research", T32 Trainee × NIEHS P30 Center Seminar, Columbia University Mailman School of Public Health, New York, NY, January 2025

34. "Tales of Environmental Mixtures: Exposure Pattern Recognition", University of Washington Env H 580 Seminar Series, Seattle, WA, October 2024

33. "Climate & Health Research: From Analysis to Action", LEAP (Learning the Earth with Artificial Intelligence and Physics) Year 4 ‖ Annual Meeting, Briarcliff Manor, NY, October 2024

32. "Overview of Issues in the Analysis of Mixtures", Workshop on Applied Epidemiology and Environmental Health, CDC, Atlanta, August 2024

31. "Climate & Health Research: Challenges and Future Directions", EPH Doerr Seminar, Stanford University, June 2024

30. "Advancing Climate and Health Research: Applications and Conceptual Challenges", Dean's Lecture Series on Climate Change and Health in the Gulf South: Community, Research, Design, and Action, Tulane University, New Orleans LA, April 2024

29. "Short-term effects of temperature and temperature variability on cardiovascular outcomes", Plenary Session at the Climate and Health Summit, University of Louisville, Louisville KY, April 2024

28. "Heat Impacts on the Health of New York State Residents", Climate Change and Urban Health Webinar Series, Drexel University, April 2024

27. "Temperature Impacts on Human Health", Climate Science and Environmental Justice: What it Means for Behavioral Medicine, Academy of Behavioral Medicine Research, hosted by Dr. Puterman, February 2024

26. "The causal role of indoor air when evaluating outdoor air pollution and potential measurement error", Health Effects Institute Workshop the State of Science for Particulate Matter Health Effects, Arlington, VA, December 2023

25. "Air Pollution and Neurodegeneration", SORS/WomenInBSC, Barcelona Supercomputing Center, Barcelona, Spain, hosted by Dr. Oriol Jorba, May 2023

24. "Future directions in tropical cyclone epidemiology, an emerging climate and health field", 2023 USA – European Exposome Symposium, Brescia, Italy, April 2023

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20. "Air Pollution & Neurodegeneration", [Columbia] University Seminar: The Future of Aging Research, March 2022

19. "Evidence from the US — Air pollution and mortality in the Medicare population", Brussels Meeting on Air Pollution and Health: Recent Advances to Inform the European Green Deal, HEI/WHO/ISEE/ERS, January 2020

18. "Health Studies of Air Pollution and Socioeconomic Status", National Institute of Aging, Baltimore, MD, November 2019

17. "Overview of Methods to Assess Exposures to Mixtures in Health Studies", H3Africa Webinar, Environmental Health Working Group, June 2019

16. "Machine Learning for Chemical Mixtures in Epidemiology", Emerging Science for Environmental Health Decisions Workshop: Leveraging Artificial Intelligence and Machine Learning to Advance Environmental Health Research and Decisions, National Academies of Sciences, Engineering, and Medicine, Washington, DC, June 2019

15. "Hourly Temperature Dynamics from Satellites and Risk of Cardiovascular Events", EHSCC Supplement Webinar, May 2019, co-presented with Dr. Allan Just

14. "Commonly-Used Methods for Analyzing Exposure to Mixtures in Environmental Epidemiology: A Few Examples", PRIME Program Meeting, NIEHS, RTP NC, April 2019

13. "Exposure to DES during Pregnancy and Multigenerational Neurodevelopmental Deficits"; this webinar was part of a series sponsored by the EDC Strategies Partnership, which is coordinated and sponsored by Commonweal's Collaborative on Health and the Environment, March 2019

12. "Traffic-related Air Pollution and Pregnancy Loss", Environmental Health Sciences Seminar, Yale School of Public Health, hosted by Dr. Nicole Deziel, December 2018

11. "Association of exposure to DES during pregnancy with multigenerational neurodevelopmental deficits", Columbia University's Psychiatric Training Program (PET) Seminar Series, hosted by Dr. Sharon Schwartz, October 2018

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9. "The impact of air pollution exposure on neurological outcomes and mood disorders", Environmental Medicine and Public Health Seminar Series, Icahn School of Medicine and Mount Sinai, hosted by Dr. Manish Arora, January 2018

8. "Environmental Mixtures Methods for Targeted Interventions and Policymaking", Young Investigator Presentation, Environmental Health Sciences Core Center Annual Meeting, June 2017

7. "New Directions in Air Pollution Epidemiology", Department of Environmental Health Sciences, Mailman School of Public Health, Columbia University, hosted by Dr. Patrick Kinney, December 2015

6. "Air Pollution and Mental Health", ERC Seminar Series, Department of Environmental Health, Harvard T.H. Chan School of Public Health, hosted by Dr. Ann Backus, April 2015

5. "New Approaches in Air Pollution Health Studies: Multi-pollutant Exposures", UC Berkeley School of Public Health, hosted by Dr. Kirk Smith, March 2015

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3. "Using Personal Exposure Data to Assess Exposure Measurement Error in $PM_{2.5}$ Health Effect Studies?, presented as part of the "Exposure measurement error in air pollution studies: Consequences and correction methods" Symposium, ISEE 2014 Conference, Seattle, WA, August 2014

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